



PTO/SB/08A (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
is a collection of information available in the U.S. PTO's
Patent and Trademark databases.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p>C mplete if Known</p>	
Sheet	1	of	2	Application Number	10/618,141
				Filing Date	7/10/2003
				First Named Inventor	Oh et al.
				Art Unit	2851
				Examiner Name	Not yet known/ Habermann/
				Attorney Docket Number	139-025U

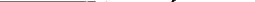
U.S. PATENT DOCUMENTS

RECEIVED

DEC 02 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	14 Jan 05
-----------------------	---	--------------------	-----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08B (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sh

1

Complete if Known

Application Number 10/818,141

Filing Date 7/10/2003

First Named Inventor

Group Art Unit 2651

Group/Unit _____ Date _____

Examiner Name: John Smith

RECEIVED

DEC. 02 2003

Technology Center 2600

NON-PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>BBH</i>	1	Aurthor unknown, Design of a Disk Drive Servo: A Case Study, 37 pages, Chapter 14.
<i>BBH</i>	2	LI, YUNFENG and HOROWITZ, ROBERTO, Active Vibration Control of a PZT Actuated Suspension in Hard Disk Drives, date unknown, 6 pages.
<i>BBH</i>	3	MCALLISTER, S. JEFFREY, The Effect of Disk Platter Resonances on Track Misregistration in 3.5 Inch Disk Drives, IEEE Transactions on Magnetics, May 1996, 5 pages, volume 32, Number 3.
<i>BBH</i>	4	HAO, QI et al., TMR Online Optimization Using Quasi-Newton Method for HDD Servo Systems, Proceedings of the American Control Conference, June 2000, 55 pages, Chicago, Illinois.
<i>BBH</i>	5	GOH, B. TECK et al., Design and Implementation of a Hard Disk Drive Servo System Using Robust and Perfect Tracking Approach, IEEE Transaction on Control Systems Technology, March 2001, 13 pages, Volume 9, Number 2.
<i>BBH</i>	6	LI, YUNFENG and HOROWITZ, ROBERTO, Mechatronics of Electrostatic Microactuators for Computer Disk Drive Dual-Stage Servo Systems, IEEE/Asme Transactions of Mechatronics, June 2001, 11 pages, Volume 6, Number 2.
<i>BBH</i>	7	LI, YUNFENG and HOROWITZ, ROBERTO, Active Suspension Vibration Control with Dual Stage Actuators in Hard Disk Drives, Proceedings of the American Control Conference, June 25-27, 2001, 6 pages.
<i>BBH</i>	8	Y. LI, R. HOROWITZ, Design and Testing of Track-Following Controllers for Dual-Stage Servo Systems with PZT Actuated Suspensions, Microsystem Technologies 8 (2002), 12 pages, Springer-Verlag 2002.
<i>BBH</i>	9	Web Control Articles, 164 pages, 10/10/02.

**Examiner
Signature**

Habermeier

Date
Considered

14 Jan 05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional): **Applicant is to place a check mark here if English language Translation is attached.**

Applicant's unique claim designation number (optional). Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.